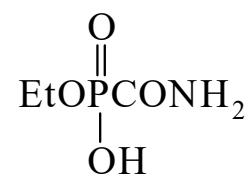




>>Entry Name: Monoethyl (aminocarbonyl)phosphonate, 9CI

Synonym(s): Ethyl carbamoylphosphonate. Ethyl hydrogen carbamoylphosphonate. Ethyl hydrogen (aminocarbonyl)phosphonate



CAS Registry Number: 59682-52-9

Molecular Formula: C₃H₈NO₄P

Molecular Weight: 153.074

Accurate Mass: 153.019096

Percentage Composition: C 23.54%; H 5.27%; N 9.15%; O 41.81%; P 20.23%

>>Derivative: NH₄ salt

Synonym(s): Fosamine, ANSI, BSI, ISO, WSSA. Krenite

CAS Registry Number: 25954-13-6

Use/Importance: Contact herbicide against woody plants; used in forestry

Physical Description: Cryst.

Melting Point: Mp 175°

Solubility: V. sol. H₂O, MeOH; sl. sol., EtOH; v. spar. sol. Me₂CO, C₆H₆

Other Data: Dec. in acid media

Hazard & Toxicity: LD₅₀ (rat, orl) 10125 mg/kg

References:

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